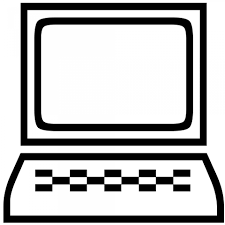
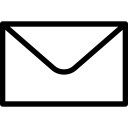
Welcome to Mrs.Rinaldi’s

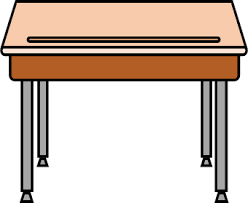
Math 8 Class

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**Email:** [**krinaldi@suesd.org**](mailto:krinaldi@suesd.org) **Class website:**

**www.mrskristenrinaldi.weebly.com**

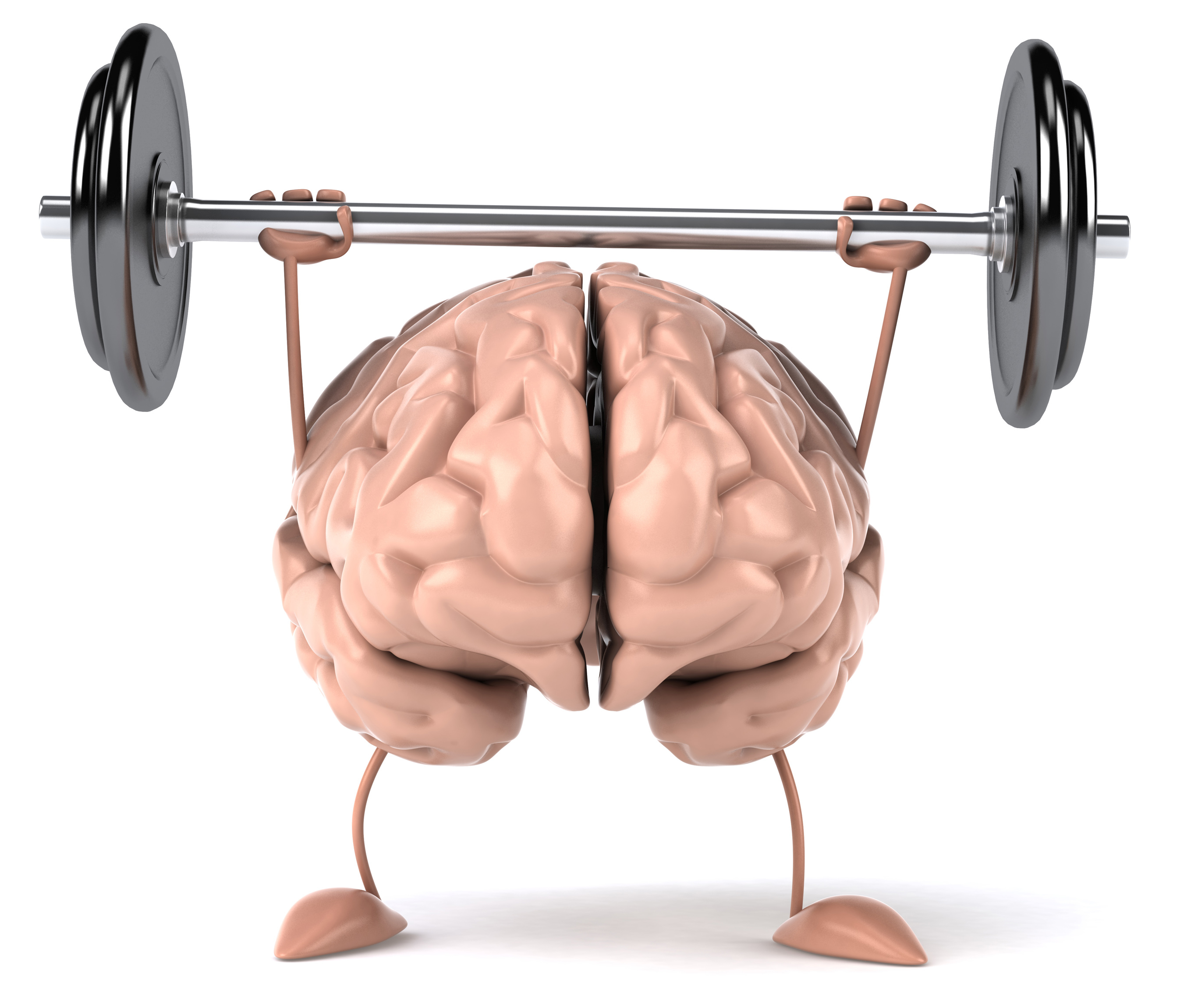
**Phone:** (831) 464-5600 Ext. 124 **School Website:**

****http://www.nbms.santacruz.k12.ca.us

**Room 24: Office hours:**

Tuesday and Thursday, 2:30-3:30pm **Class Dojo:** Through Messaging

**Growth Mindset**

This year we will be discussing the importance of adopting a growth mindset in math class. Growth mindset, as opposed to fixed mindset, is the belief that a person’s abilities and intelligence can be developed through practice, hard work, and dedication. Those with a growth mindset are more likely to learn from their mistakes, embrace challenges, and learn from feedback. Our brain acts like a muscle – the more we use it, the stronger (and smarter) our brain becomes. With each failure, the brain is making new connections. Persisting through challenges literally grows your brain!

**Homework:**

Homework is a very important part of successfully learning mathematics. In order to fully understand the math concepts learned in class, students must practice outside of class consistently.If you need help on your homework, come see Mrs. Rinaldi on Tuesdays/Thursdays after school. Homework will be assigned Mondays and Wednesdays. Students are responsible for copying homework assignments onto the weekly homework tracker sheet. Homework will be due at the beginning of each period. ***Late homework will only be accepted for partial credit.***

### Materials needed daily:

* Completed homework assignment
* Weekly Homework Tracker Sheet
* Math Binder or Math Section in binder (to keep homework, tests, and classwork)
* Composition Notebook (lined or graph paper) – For Math only!
* Sharpened pencils with erasers/handheld sharpener
* Colored Correcting Markers
* Highlighters
* Loose leaf lined paper **and** graph paper
* AR Book
* New Brighton Planner

### Absences and Tardies:

You are expected to be in your seat when the bell rings or you will be marked tardy. Three tardies result in a detention with Mrs. Rinaldi. If you miss a quiz, test, or homework assignment due to an absence, **you are responsible for checking in with Mrs. Rinaldi and making up your work**. Tests and quizzes will need to be made up after school. You will have as many days to make up the classwork and homework as you have been absent. (For example, if you are absent 2 days, you have 2 days to turn in your make up work for full credit). Missed classwork, homework handouts, and interactive notebook resources will be filed in the “What did I miss” folder located at the back of the classroom. **It is the student’s responsibility to retrieve any missed work from the appropriately dated folder, and to copy missed notes (from Mrs. Rinaldi’s notebook after school or another peer’s notebook).**

**40%**

\*If a student earns a D or an F (69% or lower) on a test, they have the option to complete test corrections to earn a grade up to a maximum of 70%.

**30%**

**20%**

Tests/

Quizzes\*

Homework

**10%**

Classwork

Group

Dynamics/

Participation

**Grading**

### 

### Resources:

If you are having trouble in this class, please let me know. I will be available to discuss problems you may have with you and your parents/guardians. Accomplishing our goal of success in math is a team effort! Email is the fastest and easiest way to reach me. If a serious personal problem interferes with your ability to learn, please let me know. Your teachers, counselors and administrators are trained to help.

**College Preparatory Mathematics (CPM)**

In this class we use College Preparatory Mathematics (CPM), which supports students in their ability to problem solve, communicate, and justify their reasoning as build deep conceptual understanding. This program places a high value on students working cooperatively - sharing information, expertise, and ideas. On a daily basis, students are tackling mathematical ideas set in everyday contexts to help them make sense of otherwise abstract principles. *Core Connections, Course 3* is the third of a three-year sequence of courses designed to prepare students for a rigorous college preparatory high school mathematics course. Math 8 students will be expected to complete the CPM Course 3 textbook by the end of 8th grade. The goal is mastery of all 8th grade standards.

Upon completion of this course, students should be able to:

* Represent a linear function with a graph, table, rule, and context and create any representation when provided one of the others.
* Solve systems of equations by using tables and graphs.
* Symbolically manipulate expressions to solve problems including those with fractional coefficients.
* Solve contextual word problems using multiple strategies, including making tables, looking for patterns, drawing diagrams, and creating a table to assist with writing and solving an equation.
* Describe various geometric transformations on a coordinate grid.
* Represent data using scatterplots and describe associations.
* Collect and analyze data and make predictions based on the trend of the data.
* Compare ratios and calculate unit rates and slope ratios.
* Analyze the slope of a line graphically, numerically, and contextually.
* Recognize and solve problems involving proportional relationships.
* Graph and analyze non-linear functions.
* Recognize and use the properties of similar figures to solve problems.
* Use the Pythagorean Theorem and its converse to solve problems in two and three dimensions.
* Use square roots and cube roots.
* Represent and simplify expressions using positive and negative exponents.
* Represent and compare large and small numbers using standard and scientific notation.
* Perform operations with numbers represented in scientific notation.
* Use the relationships between angles created by parallel lines with transversals and the Triangle Angle Sum Theorem to solve problems.
* Compute the volume of a variety of solids.

Classroom Rules and Consequences Plan for Room 24

1. **Be prepared,** in your assigned seat and ready to work when the bell rings.
2. **Respect your peers and teacher.**
   1. The Golden Rule: Treat others the way you want to be treated.
3. **Respect others’ learning**.
   1. Be an Active Listener while others are speaking.
   2. Honor peers’ work time.
   3. Follow Noise Level Procedures.
4. **Follow all directions and procedures** the first time given.
5. **Take care of all classroom materials** and clean up after yourself.

If You Choose to Break a Rule:

**First time:**  -***Verbal Warning***, negative Class Dojo points and/or seat change.

**Second time:** -***Step 1*** of Student Reflection - Written Reflection and parent/guardian signature.

**Third time:** -***Step 2*** of Student Reflection - Written Reflection, parent/guardian signature, and 15-minute detention.

**Fourth Time:** -***Step 3*** of Student Reflection - Written Reflection, parent/guardian contact/conference, and 30-minute detention.

**Severe disruption or** -Student sent immediately to the office with ***Office Referral***.

**if behavior continues:**

**STUDENTS:** I, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, have read and understand the Classroom Rules and Consequences Plan for math class, and I understand it. I acknowledge that it is my responsibility to contact my teacher via email if I have any questions or concerns. I know that this syllabus, assignments, and resources are available to me on Mrs. Rinaldi’s website: **www.mrskristenrinaldi.weebly.com**

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PARENTS:** My child has discussed this plan with me. I understand it and will support it.

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**TEACHER:** I will be fair and consistent in administering the Rules & Consequences Plan.

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**IMPORTANT: PLEASE KEEP THIS SHEET IN YOUR BINDER AT ALL TIMES. Thank you.**